BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: 1) PROVIDING GRILL FENCING TO SELECTED PARKS IN WARD NO.02, 03 & 04 OF YELAHANKA DIVISION. 2) PROVIDING CHILDREN PLAYING EQUIPMENTS AND GYM EQUIPMENTS IN WARD NO. 02, 03 & 04 OF YELAHANKA DIVISION.

SL	Particulars	Unit	No	L	B		D	Qty
	Fabrication supplying and erecting M.S. tubular trusses of all spans with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, complete as per specifications and directions of the Engineer in charge.							
		kg	Numbers	L	W	Thick	Total	Weight/ m	Total weight
	Gusset plates								
	Base plate								
	Base plate 450mmx900								
	20mm		2	16	0.405	20	12.96	157	2034.72
	Weld plate300mmx300mm		2	16	0.09		2.88	97.8	281.664
	Top plate		4	16	0.02	0.012	0.01536	7850	120.576
	cleat		2	16	0.18		5.76	97.8	563.328
			4	16	0.02		1.28	62.8	80.384
	J Bolts						230.4	4	921.6
	25mm		12	16	1.2				90
	Nuts		Lumsum						
	ISMB 400		2	8	9		144	61.6	8870.4
	TRUSS PIPES								
	172mm diax5mm Thick								
	Bottom		1	8	22.6		180.8	29.34	5304.67
	Top		1	8	22.68		181.44	29.34	5323.45
	Dig(Vertical)		1	8	2		16	29.34	469.44
	Truss jointing		10	8	0.075	0.075	0.01	0.0045	7850	35.325
	Purlins								
	122mmx61x		2	5	37		370	13.3	4921
			2	6	22.63		271.56	13.3	3611.75
			2	2	6.5		26	13.3	345.8
			1	2	7.08		14.16	13.3	188.328
			2	11	37		814	13.3	10826.2
			10	16	0.23		36.8	13.3	489.44
	ISL 75MMX75								
			5	16	0.075	0.075	0.006	0.0027	7850	21.195
	ISL 65mmx65mm		5	32	0.065	0.065	0.005	0.00338	7850	26.533

E.E. (Project)

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A.E.E. (Project)

44435

For lap		2	12	0.065	0.065	0.005	0.00051	7850	3.97995
Pipe close sheet		2	8	0.48	0.172	0.01	0.01321	7850	103.695
40mm dia pipes									
Vertical		2	8	1.68			26.88	4.38	117.734
		2	8	1.6			25.6	4.38	112.128
		2	8	1.524			24.384	4.38	106.802
		2	8	1.22			19.52	4.38	85.4976
		2	8	0.92			14.72	4.38	64.4736
		2	8	0.84			13.44	4.38	58.8672
		2	8	0.6			9.6	4.38	42.048
		2	8	0.45			7.2	4.38	31.536
		2	8	0.15			2.4	4.38	10.512
Diagonal		2	8	2.3			36.8	4.38	161.184
		2	8	2.15			34.4	4.38	150.672
		2	8	2			32	4.38	140.16
		2	8	1.85			29.6	4.38	129.648
		2	8	1.7			27.2	4.38	119.136
		2	8	1.55			24.8	4.38	108.624
		2	8	1.4			22.4	4.38	98.112
		2	8	1.3			20.8	4.38	91.104
		2	8	1.15			18.4	4.38	80.592
Gutter sopport cleat		2	36	0.55			39.6	6.78	268.488
40mm pipe		1	4	21.2			84.8	5.3	449.44
		1	3	6.3			18.9	5.3	100.17
		1	2	6.7			13.4	5.3	71.02
		1	1	24			24	5.3	127.2
		1	4	1.2			4.8	5.3	25.44
		1	4	2.3			9.2	5.3	48.76
All round Perlin		2	1	40			80	11.88	950.4
		1	1	20.6			20.6	11.88	244.728
Ventilation Frames		1	2	23			46	4.2	193.2
							Qty		48821.2

44435 (16)

48731.20

E.E. (Project)

E.E. (Project)

E.E. (Project)

A.E.E. (Project)

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

28/12/2021

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

	Fabrication supplying and erecting M.S. tubular trusses of all spans with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the. members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, complete as per specifications and directions of the Engineer in charge.						1873.20	
Qty Recorded in EMB 1 Page No							48821.155	
Qty Paid in First bill							13667.9	
							35153.255	- 35063.30
Qty claimed In 2nd Bill							25644	
Tender Qty							39311.9	
Qty Reserved for Want of Approval							9509.2546	

9419.30

Asst.Engineer

28/4/2021

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore - 92

Asst executive engineer

[illegible] Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge.For Outside Plastering including all lead and lift complete as per the direction of engineer in charge								
[illegible]	Sqm	1	2	40.4		4	323.2	
		1	2	21.6		4	172.8	
[illegible]duction								
[illegible]		-1	1	1.8		2.1	-3.78	
[illegible]dows		-1	5	1.5		1.2	-9	
[illegible]ntilator		-1	2	1.8		0.9	-3.24	
[illegible]		-1	2	0.9		0.9	-1.62	
						Qty	**478.36**	
[illegible] Qty							**462.73**	
[illegible] Reserved for Want of Approval						**Qty**	**15.63**	

491.00

A.E.E. (Project)

Asst Engineer

28/12/2021

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst Executive Engineer

KSRB 15.3.Providing 12mm thick cement plaster in single coat with cement mortar 1:3 to to brick masonry ncluding rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials,labour, curing complete as per specifications. .including all lead and lift complete as per the direction of engineer in charge								
Inside	Sqm	1	2	40.2		4	321.6	
		1	4	20.2		4	323.2	
Deduction								
Deduction		-2	1	1.8		2.1	-7.56	
MD		-4	1	0.75		0.75	-2.25	
Ventilator		-2	1	0.9		2.1	-3.78	
VC						Qty	**631.21**	
Tender Qty							**545.69**	
Qty Reserved for Want of Approval						Qty	**85.52**	

644.80

AEE (Project)

Asst Engineer

28/12/2021

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst Executive Engineer

SRB15-5.1 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4, to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications

For toilets	Sqm	4	2	3.3		4	105.6	
		2	2	1.5		4	24	
						Qty	129.6	
							92.19	
Tender Qty						Qty	27.6	
Qty Reserved for Want of Approval								

Asst.Engineer

28/4/2021

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

	SSRB 15.3.Providing 12mm thick cement plaster in single coat with cement mortar 1:3 to cieling: Providing and removing scaffolding, including cost of materials,labour, curing complete as per specifications. .including all lead and lift complete as per the direction of engineer in charge							(21)
	Entrance	Sqm	1	1	20.4	3	Qty	61.2
								61.2

A.E.E. (Project)

Asst.Engineer

28/12/2021

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst executive engineer

	Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses. with all lead and lift and directions of the Engineer-In-charge of the work								36
	Roof	Sqm	1	1	23.1	37		854.7	
	Gabale		1	2	20.3	6		243.6	
	sides		1	2	37.2	6		446.4	
	For Gap Fill		1	2	20.1	0.3		12.06	
	Deduction		1	-2	19.5	0.9		-35.1	
							Qty	**1521.66**	
	Tender Qty							1379.760	
	Qty Reserved for Want of Approval							**141.900**	

E.E. (Project)

A.E.E. (Project)

1556.76

Asst.Engineer

28/12/21

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst executive engineer